

**Notice of Allowability**

Application No.

10/678,991

Applicant(s)

ZHANG, GEORGE HUANYI

Examiner

Gary F Paumen

Art Unit

2833

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_\_.
2. ☒ The allowed claim(s) is/are 1 and 14.
3. ☒ The drawings filed on 02 October 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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|--|--|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                 |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                      | 6 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. <u>011604</u> |
| 3 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. <u>100203</u> | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                         |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material                   | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance        |
|  | 9 <input type="checkbox"/> Other   |

  
Gary Paumen  
Primary Examiner

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Wei Te Chung on January 16, 2004.

The application has been amended as follows:

Claims 2-13 and 15-18 have been canceled.

Claim 1, last line, the period has been changed to a semicolon and the following paragraphs have been inserted thereafter:

-- wherein the thickness of the first lengthwise wall is larger than that of the second lengthwise wall;

wherein the third mating section of the second lengthwise wall protrudes outwardly from an outer face thereof;

wherein the first mating section has a longitudinal dimension larger than that of the second mating section;

wherein the contacts comprise first contacts received in the first mating section for transmitting power, second and third contacts respectively received in the second and the third mating sections for transmitting signals;

wherein the contacts are substantially identical in structure and each contact comprises a contact portion with a curved contact end exposed in the central slot of the housing, a board retention portion extending outwardly from the housing,

and a housing retention portion connecting the contact portion and the board retention portion;

wherein the board retention portions of the first contacts the second contacts and the third contacts are arranged in two rows, respectively;

wherein the board retention portions of the contacts are configured for press-fitting in holes of the printed circuit board;

wherein the base portion of the housing defines upper and lower rows of cavities communicating with respective passageways defined in the first and second mating sections and a row of slits communicating with respective passageways defined in the third mating section, and wherein the housing retention portions of the first and second contacts are retained in the cavities and the housing retention portions of the third contacts are retained in the slits;

wherein the upper and lower rows of cavities are staggeredly arranged with each other;

further comprising a pair of guiding posts protruding from the base portion and a pair of board retention pegs protruding from the base portion and extending along a direction away from the guiding posts;

wherein the board retention pegs each have a plurality of protrusions extending along a lengthwise direction on a periphery surface thereof;

wherein said base portion defines a transverse dimension which is larger than another transverse dimension which is defined by said first and second lengthwise walls commonly. --.

Claim 14, last line, the period has been changed to a semicolon and the following paragraphs have been inserted thereafter:

-- wherein said longitudinal dimension and said transverse dimension commonly define a smooth and uninterrupted rectangular periphery of the base portion with a complete linear edge on each side of said rectangular periphery;

wherein the transverse dimension of the base portion is larger than another transverse dimension which is defined by said opposite first and second side walls commonly;

wherein said second side wall is thinned except a portion thereof receiving the second contacts;

wherein said second side wall defines a lower portion adjoining the base portion, said lower portion being thicker than other thinned portions. --.

The following is an examiner's statement of reasons for allowance: none of the prior art of record discloses or teaches all of the specifics of the combination of the housing and contacts as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gary F Paumen whose telephone number is 703-308-1414. The examiner can normally be reached on Monday-Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula Bradley can be reached on 703-308-2319. The fax phone number for the organization where this application or proceeding is assigned is 703-746-8503.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-3431.

gfp

  
**Gary Paumen**  
**Primary Examiner**